

## ABSTRACT OF THE DISCLOSURE

A metal photoetching product comprising at least one large cavity of minor axis  $W_1S$ , major axis  $W_1L$  and depth  $D_1$  in a surface of the product, wherein one or more cavities are included inside at least one of the at least one large cavity, and a smallest hole among the cavities has minor axis of  $W_2S$ , major axis  $W_2L$ , and depth  $D_2$ ; and the product satisfies the following dimensions,  $D_1 + D_2 = \text{plate thickness } D$ ,  $0.02 \text{ mm} \leq D \leq 2 \text{ mm}$ ,  $0.4 \times D < W_1S < D$ , and  $0.2 \times D < W_2S < 0.8 \times D$ .